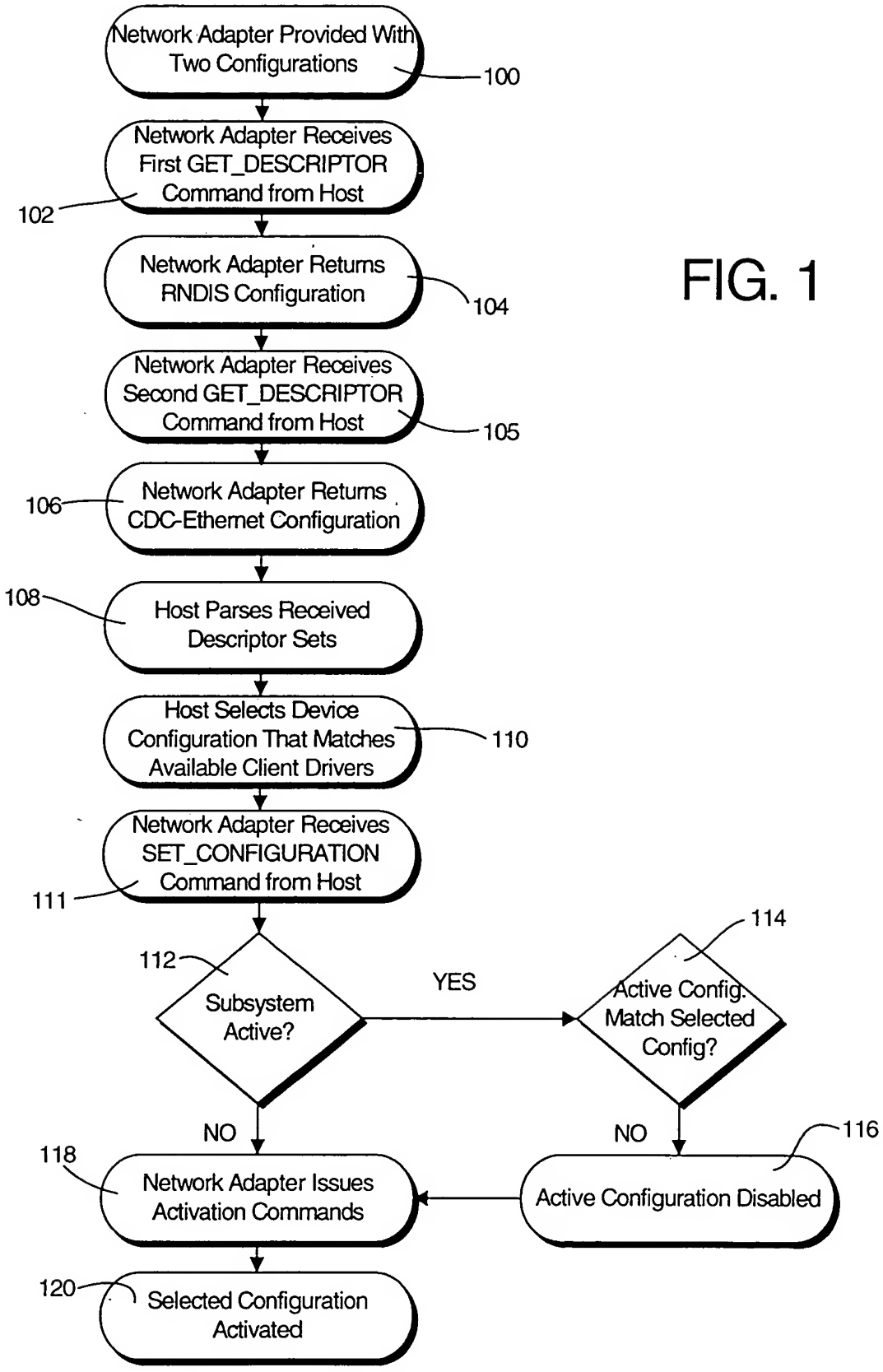
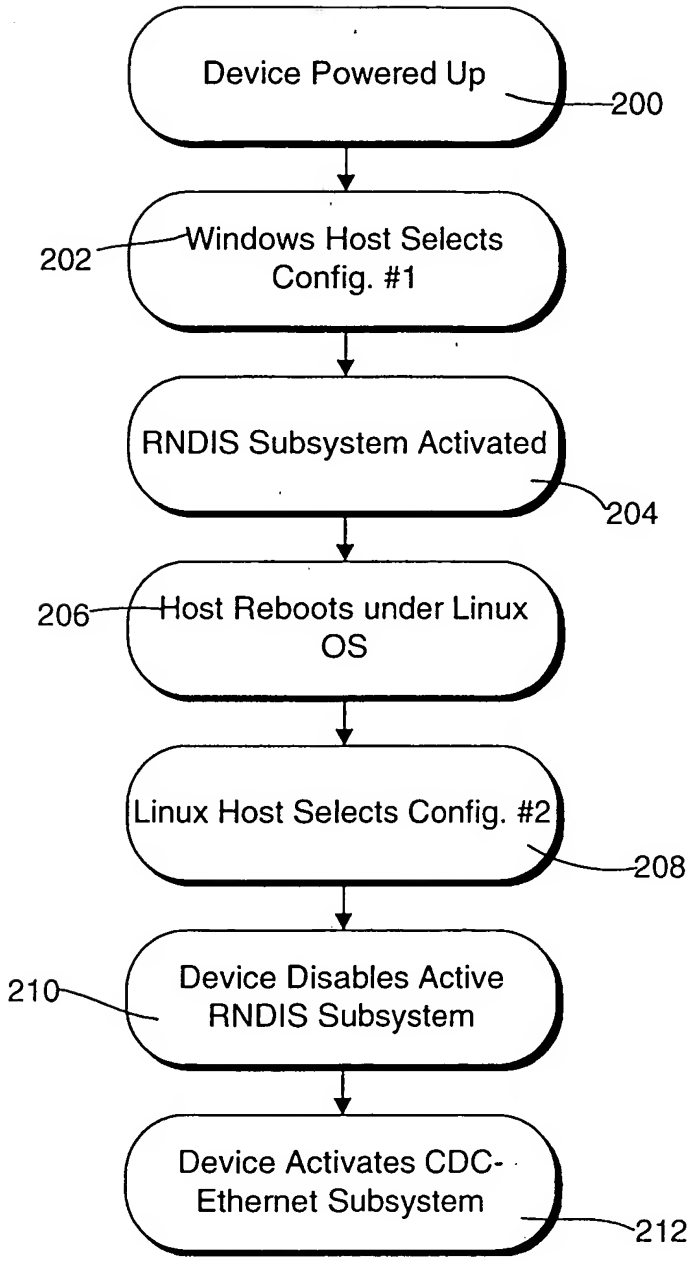

Network Adapter Provided With Two Configurations
100
Network Adapter Receives First GET_DESCRIPTOR Command from Host
102
Network Adapter Returns RNDIS Configuration
104
Network Adapter Receives Second GET_DESCRIPTOR Command from Host
105
Network Adapter Returns CDC-Ethernet Configuration
106
Host Parses Received Descriptor Sets
108
Host Selects Device Configuration That Matches Available Client Drivers
110
Network Adapter Receives SET_CONFIGURATION Command from Host
111
Subsystem Active?
112
YES
Active Config. Match Selected Config?
114
NO
NO
Active Configuration Disabled
116
Network Adapter Issues Activation Commands
118
Selected Configuration Activated
120

FIG. 1

FIG. 2


Device Powered Up
200
202
Windows Host Selects Config. #1
RNDIS Subsystem Activated
204
206
Host Reboots under Linux OS
Linux Host Selects Config. #2
208
210
Device Disables Active RNDIS Subsystem
Device Activates CDC-Ethernet Subsystem
212

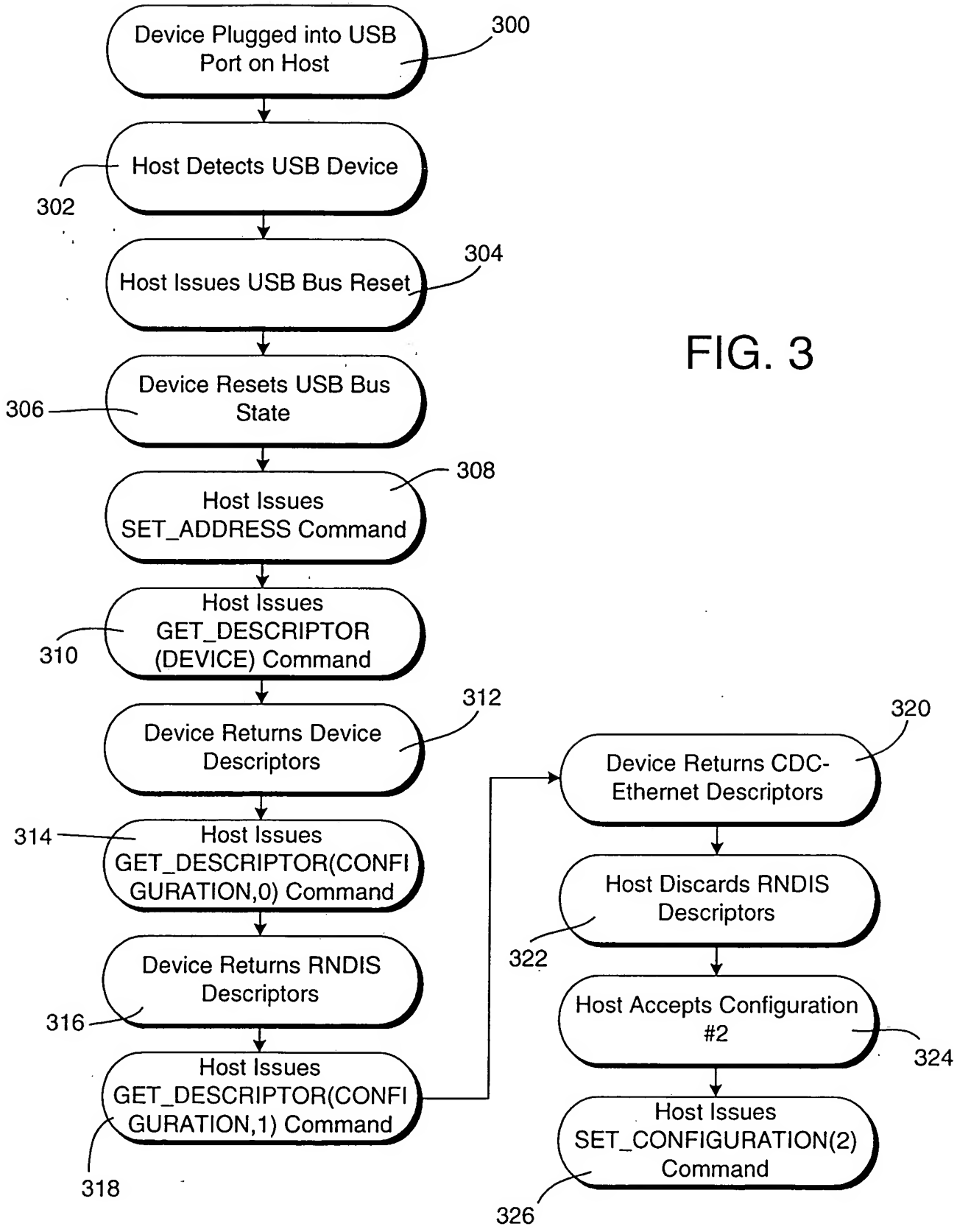

Device Plugged into USB Port on Host
300
Host Detects USB Device
302
Host Issues USB Bus Reset
304
Device Resets USB Bus State
306
Host Issues SET_ADDRESS Command
308
Host Issues GET_DESCRIPTOR (DEVICE) Command
310
Device Returns Device Descriptors
312
Host Issues GET_DESCRIPTOR(CONFIGURATION,0) Command
314
Device Returns RNDIS Descriptors
316
Host Issues GET_DESCRIPTOR(CONFIGURATION,1) Command
318
Device Returns CDC-Ethernet Descriptors
320
Host Discards RNDIS Descriptors
322
Host Accepts Configuration #2
324
Host Issues SET_CONFIGURATION(2) Command
326

FIG. 3